

Title (en)

Photoconductive target of the image pickup tube.

Title (de)

Photoleitende Signalplatte für Bildaufnahmeröhre.

Title (fr)

Cible photoconductrice pour tube de prise de vues.

Publication

**EP 0162310 A1 19851127 (EN)**

Application

**EP 85104873 A 19850422**

Priority

JP 8198484 A 19840425

Abstract (en)

[origin: JPS60227341A] PURPOSE:To obtain a photo conductive target having excellent after-image characteristic by setting the thickness of a photo conductive layer consisting of CdTe(1-x)Se(x) and a high resistance layer deposited thereon to the particular range. CONSTITUTION:A NESA, namely a light transmissive conductive layer 12 is deposited on a light transmissive substrate 11 directly or through other light transmissive film such as a color filter film and a photo conductive layer 13 is deposited thereon in the thickness exceeding 1,000Angstrom but under 10,000Angstrom . A As-Se system amorphous semiconductor high resistance layer 14 is deposited thereon and a Sb<sub>2</sub>S<sub>3</sub> layer 15 is further deposited thereon in the thickness of about 1,000 Angstrom . Thickness of high resistance layer 14 is set within the range of 2μm-10μm. The photo conductive layer 14 has the structure indicated by CdTe<sub>1-x</sub>Se<sub>x</sub>, wherein a value of x, regarding the mol ratio of Te and Se, is set, for example, to 0.3 or larger and 0.9 or less.

IPC 1-7

**H01J 29/45**; H01L 31/18

IPC 8 full level

**H01J 29/45** (2006.01)

CPC (source: EP US)

**H01J 29/45** (2013.01 - EP US); **H01J 29/456** (2013.01 - EP US)

Citation (search report)

- US 4255686 A 19810310 - MARUYAMA EIICHI, et al
- US 4119994 A 19781010 - JAIN FAQUIR CHAND, et al
- DE 2808802 A1 19780914 - HITACHI LTD, et al
- EP 0036779 A2 19810930 - HITACHI LTD [JP]

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DE FR GB

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